

United States Patent [19]

Yee

[11] Patent Number: 5,010,499

[45] Date of Patent: * Apr. 23, 1991

[54] DIGITAL DATA CAPTURE FOR USE WITH TV SET OR MONITOR

[76] Inventor: Keen Y. Yee, 57 Ogden Ave., White Plains, N.Y. 10605

[*] Notice: The portion of the term of this patent subsequent to Jan. 16, 2007 has been disclaimed.

[21] Appl. No.: 429,078

[22] Filed: Oct. 30, 1989

Related U.S. Application Data

[63] Continuation of Ser. No. 158,592, Feb. 22, 1988, Pat. No. 4,894,789.

[51] Int. Cl.⁵ H04N 7/10

[52] U.S. Cl. 364/521; 358/86; 358/91; 455/4

[58] Field of Search 364/518, 521, 522; 358/84, 86, 91, 92, 93, 94, 296, 301; 360/5; 369/48, 49, 83; 455/3, 4

References Cited

U.S. PATENT DOCUMENTS

4,367,548 1/1983 Cotton et al. 358/86 X
4,367,557 1/1983 Stern et al. 358/86
4,395,780 7/1983 Gohm et al. 358/86 X
4,695,880 7/1987 Johnson et al. 358/86
4,734,764 3/1988 Pocock et al. 358/86

Primary Examiner—Dale M. Shaw

Assistant Examiner—H. R. Herndon

ABSTRACT

A TV data capture device is used with a TV set or monitor to selectively extract, store, retrieve and display on the TV set or monitor extracted digital data. A composite video-digital signal is received from which digital data is removed by a digital data extractor. A memory unit, a permanent storage unit, and a microprocessor are also provided, enabling the user to store and retrieve from storage selected digital data previously extracted from the composite signal. A digital video converter converts extracted digital data to video signals for display of extracted digital data with the currently transmitted video signal.

16 Claims, 1 Drawing Sheet

